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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/830,015	04/23/2004	Byung Jun Mun	YHK-0134	7646
34610	7590	02/23/2005	EXAMINER	
FLESHNER & KIM, LLP P.O. BOX 221200 CHANTILLY, VA 20153			MCPHERSON, JOHN A	
			ART UNIT	PAPER NUMBER

1756

DATE MAILED: 02/23/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

LD

Office Action Summary	Application No. 10/830,015	Applicant(s) MUN ET AL.	
	Examiner John A. McPherson	Art Unit 1756	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 23 April 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-12 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1,5-7 and 9-12 is/are allowed.
- 6) ☒ Claim(s) 2-4 and 8 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 23 April 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 112

1. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 2-4 and 8 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 2 recites the limitation "the black matrix" in line 3. There is insufficient antecedent basis for this limitation in the claim. Claims 3 and 4 are include in this rejection only because they depend from indefinite claim 2.

Claim 8 recites the limitation "the black matrix" in line 4. There is insufficient antecedent basis for this limitation in the claim.

Pertinent Prior Art

2. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

US 2003/0090204 discloses a method of manufacturing a plasma display panel comprising the steps of coating a black paste on a substrate, exposing the black paste using a first photomask to form a pattern of a black matrix, coating a silver paste on the substrate, exposing the silver paste using a second photomask to form a pattern of bus electrodes, and developing to form a black matrix and bus electrodes. See paragraphs [0049] to [0054].

US 6,156,433 discloses a process for producing an electrode of a plasma display panel comprising the steps of transferring a photosensitive black conductive paste layer and a photosensitive conductive paste layer onto a substrate using a transfer sheet, exposing the photosensitive black conductive paste layer and the photosensitive conductive paste layer through a mask, and developing the exposed photosensitive black conductive paste layer and the exposed photosensitive conductive paste layer. See column 14, lines 1-13.

JP 2002-367509 discloses a method of manufacturing an electrode for a plasma display device comprising the steps of forming a black pattern layer on a substrate, coating an electrically conductive film on the black pattern, and exposing the electrically conductive film from the back side of the substrate without using a mask.

Allowable Subject Matter

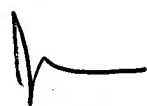
3. Claims 1, 5-7 and 9-12 are allowed because in fabricating method of a plasma display panel comprising the steps of providing a sheet into which a black material layer and an electrode material layer are integrated, forming the sheet on a substrate, aligning a first mask on the front surface of the substrate where the sheet has been formed and exposing the sheet, and developing the exposed sheet to form a bus electrode, the prior art does not teach or suggest the method further comprising the steps of aligning a second mask on the rear surface of the substrate and exposing the sheet, wherein the developing forms a light shielding layer as well as the bus electrode.

4. Claims 2-4 and 8 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to John A. McPherson whose telephone number is (571) 272-1386. The examiner can normally be reached on Monday through Friday, 8:00 AM to 4:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mark Huff can be reached on (571) 272-1385. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



John A. McPherson
Primary Examiner
Art Unit 1756

JAM
2/21/05